

# Knowledge Organiser

Science Year 2 Spring 2

Plants

## Previous learning:

- Observing change from seed to plant (EYFS – Spring 2)
- Trees (Year 1 – Autumn 2)
- Plants (Year 1 – Summer 1)

<b>Key Vocabulary</b>	<b>Objectives</b> <i>taken from Progression Document</i>	<b>Key Knowledge</b>
<b>germination</b> <b>nutrients</b> <b>environment</b> <b>temperature</b> <b>mature</b>	Observe and describe how seeds and bulbs grow into mature plants  Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Plants may grow from either seeds or bulbs.  Understand that seeds/bulbs germinate and grow into seedlings which then continue to grow into mature plants with seeds, berries, fruits etc.  Seeds and bulbs need to be planted outside at particular times of year and they will germinate and grow at different rates.  Understand that different plants grow in different conditions.  Understand that plants need water, light and a suitable temperature to grow.  <u>Extended Knowledge</u> <b>Spot similarities and differences between bulbs and seeds.</b>

## Working Scientifically

TAPS Assessment

### **Plants: Compare Growth**

Do: Observe closely, using simple equipment

Concept context

Describe how plants needs water, light and a suitable temperature to grow and stay healthy

Possible opportunities:

Classifying

Based on the children's own criteria:

- classify seeds
- classify bulbs

Observing over time

- Plant seeds and bulbs and observe how they grow.

Pattern Seeking

Children generate questions for investigation such as:

- Do big seeds germinate more quickly?
- Does it matter which way round you plant a bulb or seed?
- Which comes first, the root or the shoot?

Researching

- Look at packets to decide how to plant and care for seeds e.g. How much water do they need? Do they need shade/full sun?